geotextiles

bidim®

Technical Data Sheet

Polyester Geotextiles made in Australia from recycled polymer

Quality System
Quality ISO 9001

Australian Made
RECYCLED

Geofabrics AUSTRALASIA PTY LTD

Definition of Terms

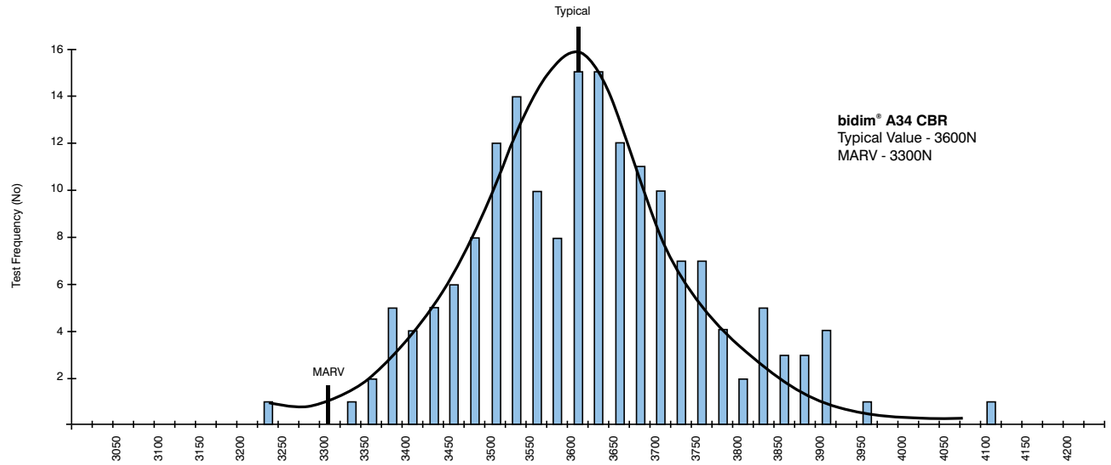
ISO accreditation
ISO standards serve to safeguard consumers and users of products and services in general. Standards raise levels of quality, safety, reliability and efficiency.

Machine Direction (MD)
The direction in a machine-made fabric, parallel to the direction of motion of the material through the processing machine i.e. along the length of the roll.

Cross Machine direction (XMD)
The direction in a machine made fabric, perpendicular to the direction of motion of the material through the processing machine i.e. across the width of the roll.

Typical Value
A typical value is the arithmetic mean of a set of results, see diagram below. This implies that 50% of the tested specimens will typically exceed this value and 50% will typically not meet this value.

Minimum Average Roll Values (MARV)
MARV is a statistical derivation for any distribution of data. It is defined as the mean or typical value less 2 standard deviations, (refer to diagram below). Mathematically it is implied that 97.5% of the tested specimens will exceed the MARV value.



bidim® A34 CBR
Typical Value - 3600N
MARV - 3300N

Indicative Results Spread
(for a given test method for a given period of time)

IMPORTANT NOTICE

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Engineered Environmental Solutions
www.maccaferri.co.nz

FSC Mixed Sources
Product group from well-managed forests, controlled sources and recycled wood or fibre
Cert no. SCS-COC-00836
www.fsc.org
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M018(MNZ) / 02-09

Specifications

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bidim® Geotextiles – Typical and MARV Values

bidim® geotextiles are manufactured in accordance to ISO 9001:2000, Cert No: QEC1773

All **bidim®** "A" Range non-woven, needle punched, continuous filament, polyester geotextiles are made in Australia from recycled polymer.

	Test	Standard	Units		A12	A14	A19	A29	A39	A44	A49	A64
Mechanical Properties	**Wide Strip Tensile Strength** (MD/XMD)	AS3706.2-00	**kN/m**	**Typical**	**9.4/8.0**	**11.0/9.5**	**14.0/12.8**	**19.0/17.0**	**26.5/25.5**	**29.5/28.0**	**37.0/34.0**	**41.5/38.0**
				MARV	7.5/6.6	9.0/7.7	12.0/10.0	15.5/14.5	22.0/21.0	24.5/24.0	31.5/30.5	35.8/33.0
	Trapezoidal Tear Strength (MD/XMD)	AS3706.3-00	**N**	**Typical**	**240/230**	**300/270**	**350/330**	**490/450**	**630/610**	**753/700**	**915/910**	**1060/1010**
				MARV	205/180	240/220	295/280	380/360	530/510	575/550	750/740	800/770
	CBR Burst Strength	AS3706.4-01	**N**	**Typical**	**1550**	**1720**	**2250**	**3200**	**4400**	**4800**	**6400**	**6850**
				MARV	1275	1500	1925	2800	3950	4450	5850	6300
	Grab Tensile Strength (MD/XMD)	AS2001.2.3 Method B - 88	**N**	**Typical**	**620/570**	**720/650**	**950/860**	**1280/1200**	**1900/1670**	**2100/1910**	**2850/2570**	**3010/2850**
				MARV	510/430	600/530	795/730	1100/1000	1590/1490	1800/1680	2490/2200	2620/2460
	G Rating	Austroads	**G**	**Typical**	**1150**	**1500**	**1950**	**2480**	**3450**	**3900**	**5150**	**5400**
				MARV	900	1250	1550	2160	3100	3450	4600	5000
(MD)= Machine Direction Strength / (XMD)= Cross Machine Direction Strength												
Hydraulic properties	**Pore Size**	AS3706.7-90	**μm**		**120**	**110**	**110**	**90**	**80**	**80**	**80**	**80**
	Permitivity	AS3706.9-01	**s^{-1}**		**2.50**	**2.35**	**2.20**	**1.85**	**1.25**	**1.10**	**0.90**	**0.80**
	Coefficient of Permeability	AS3706.9-01	**m/s**		**33**	**33**	**33**	**33**	**33**	**33**	**33**	**33**
	Flow Rate @ 100mm Head	AS3706.9-01	**$l/m^2/s$**		**250**	**235**	**220**	**185**	**125**	**110**	**90**	**80**
Meets TNZ F/7 (2003) Filtration Class 1 - 4 and Strength Class (refer spec sheet M080 04/05 - MNZ)						A	B	C	D		E	

The product properties listed on this sheet include both **Typical** and **Minimum Average Roll Values** (MARV) for machine and cross machine directions (MD/XMD), definitions of these terms are included on the reverse side of this data sheet. All testing has been carried out by a NATA accredited laboratory, copies of test certificates are available on request.

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